

Title (en)

SOURCE OF WELDING CURRENT, ESPECIALLY SOURCE OF CURRENT FOR ARC-WELDING, WITH ADDITIONAL SETS

Publication

**EP 0463489 A3 19921216 (DE)**

Application

**EP 91109690 A 19910613**

Priority

DE 4020143 A 19900625

Abstract (en)

[origin: EP0463489A2] The invention relates to a source of welding current with ancillary units, such as torch height adjustment devices, a wire feed device, gas regulators, drives, sensors and the like, which are connected to one another via leads. In order to simplify signal processing in the case of sources of welding current the invention proposes that the signal or data transmission for control and/or adjustment of and/or data acquisition on the ancillary units should be effected via leads which form a local area network formed by ring, star or bus systems or by a hybrid of these systems. <IMAGE>

IPC 1-7

**G05D 27/02; B23K 9/10**

IPC 8 full level

**B23K 9/095** (2006.01)

CPC (source: EP)

**B23K 9/0956** (2013.01)

Citation (search report)

- [X] DE 3827383 A1 19900215 - OXYTECHNIK GES SYSTEMTECH [DE]
- [X] US 4527045 A 19850702 - NAKAJIMA JUN [JP], et al
- [X] DE 3322678 A1 19850103 - ROFIN SINAR LASER GMBH [DE]
- [A] EP 0356988 A2 19900307 - SUMITOMO ELECTRIC INDUSTRIES [JP]
- [A] US 4767913 A 19880830 - WEBER BRUCE W [US], et al
- [A] DE 3445981 A1 19860619 - MESSER GRIESHEIM GMBH [DE]

Cited by

US6624388B1; AT409731B; US6797921B1; AT411340B; AT409601B; AT411880B; EP0878263A1; US6091048A; US7375304B2; US6315186B1; US6605800B1; US7026569B2; WO0023223A1; WO03082509A1; US6809292B2; US6924459B2; US6248975B1; US6563085B2; US6852949B2

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